FUNCTIONAL REQUIREMENTS

* users must to be able to choose their category: **donor, doctor, donation center personnel**.
* the software must allow editing information about the blood container’s journey (i.e. quantity, validity, state)
* **donors** must be able to:
  + register for blood donation by completing a form containing the following personal details: first name, last name, date of birth (day/month/year), address, address city/town, address country, residence (only if the donor lives at another address than the previously specified one), residence city/town, residence country
  + view blood analysis history (i.e. result, date)
  + view the next time they may donate blood (day/month/year)
  + change their personal details (i.e. any of the details specified during registration)
  + change donation information
  + specify the name of a patient, when donating to a specific person
* **doctors** must be able to:
  + request blood by completing a form containing: patient blood group, urgency level (high/medium/low), location
  + see available stocks of an area
  + check status of their request (i.e. “sampling”, “in preparation”, “in biological quality control”, “redistributing”)
  + check if there are enough donations for a specific person
* **donation center personnel** must be able to:
  + collect donor data (i.e. from the forms completed by donors)
  + process blood requests (i.e. determine priority, start a journey of requested blood containers)
  + manage journey of the blood containers (i.e. change the status of the journey of containers)
  + see available stocks of an area
  + determine the closest compatible donor who can give blood
  + contact donors